DAIKIN

New rooftop series

Available in base, 2-, 3- and 4-damper versions

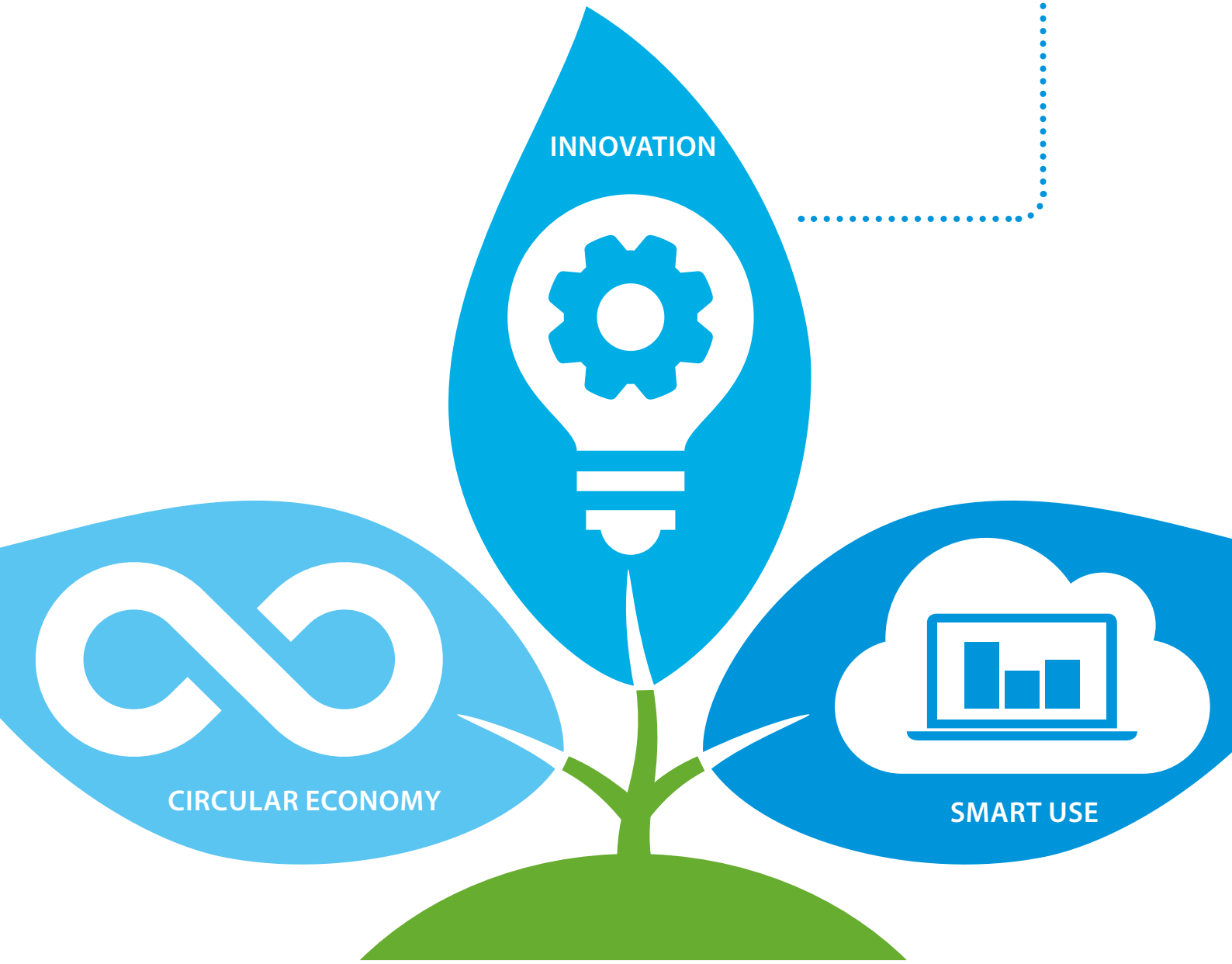
Extensive feature package included in all Made-To-Stock and Made-To-Order models

BLUEVOLUTION R-32

Creating a sustainable future together

Determined to reduce our environmental footprint, we aim to be CO_2-neutral by 2050.
A circular economy, innovation and smart use – these are the stepping stones on our path.

The time to act is now. Join us in creating a sustainable future for HVAC-R.



www.daikin.eu/building-a-circular-economy

INNOVATION

2013

First R-32 split Ururu Sarara

+

2016-2017

Full range of optimised Split and Sky Air R-32 units. Launch of R-32 and HFO chillers.

+

2018

Daikin Altherma heat pump range on R-32

+

2020

VRV 5, the first fully optimised VRV for R-32 refrigerant

+

2021

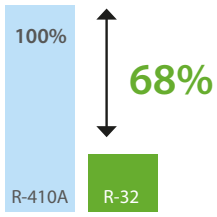
Launch of complete rooftop portfolio with R-32 refrigerant

Continuing our path to lower CO_2 equivalent solutions though **innovation**

Since the launch of Ururu Sarara in 2013, the first air conditioner to use R-32 refrigerant, we have worked to convert our portfolio to lower GWP refrigerants. The launch of the new rooftop series, a completely newly developed portfolio specifically for R-32 refrigerant, is the latest evolution.

Advantages of R-32

- Lower Global Warming Potential (GWP): only 1/3rd of R-410A
- Higher energy efficiency
- Single component refrigerant, easy to handle and recycle



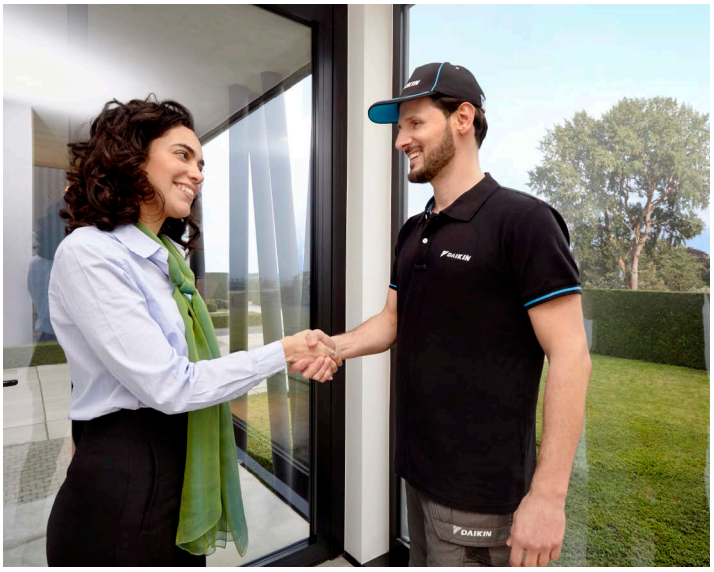
Potential global warming impact

-68%

potential global warming impact

Ahead of the F-gas phase down targets

Thanks to the shift to R-32 we stay ahead of the F-gas regulation phase-down targets. In times where the HVAC-R market is growing fast, this enables us to do our business in a sustainable way, while securing future growth.



With people in mind

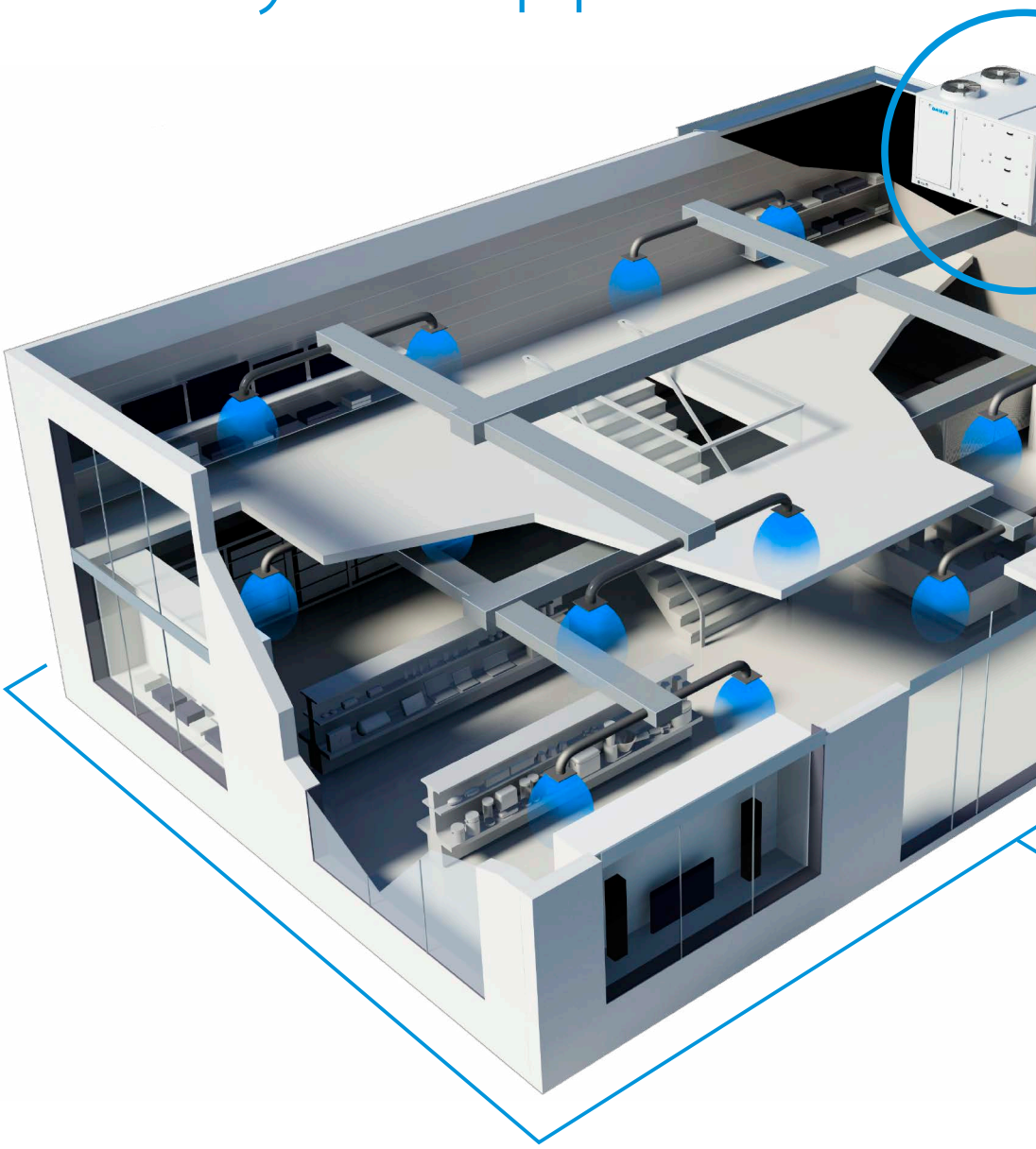
Daikin has the ambition to bring you:
- the most sustainable system;
- easy and versatile to install;
- with credible data.

ErP 2021 COMPLIANT

TÜV NORD

Daikin rooftops

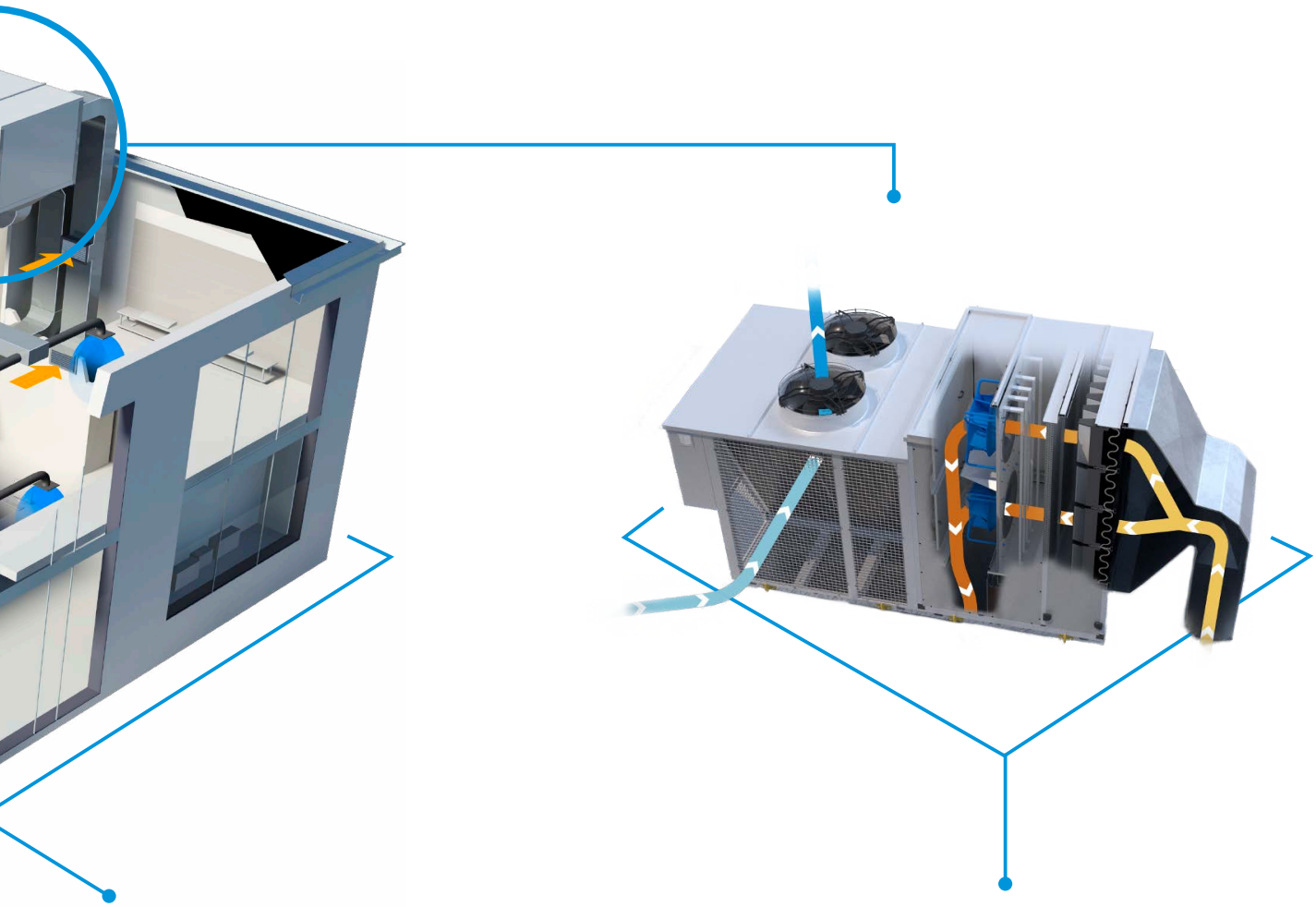
Flexible to suit your application



Rooftop for Retail & Department Stores

Retail & department stores need challenging design because of **limited space and complex building structure, containing different floors and spaces**. Daikin rooftops provide the solution:

› Ductwork can be connected flexibly to optimize installation space.
› High efficiency EC plug fans are maintenance free, limiting the downtime of the system for maintenance.
› Extraction damper and fan ensure there is no overpressure in the building and air circulation is optimised.
› High indoor air quality can be guaranteed thanks to integrated fresh air provision and multiple air filtration possibilities.



Supply and extract ducting ensures even distribution in the building.

Plug & play installation as indoor and outdoor are in one package.

Rooftop for Warehouses & Industry

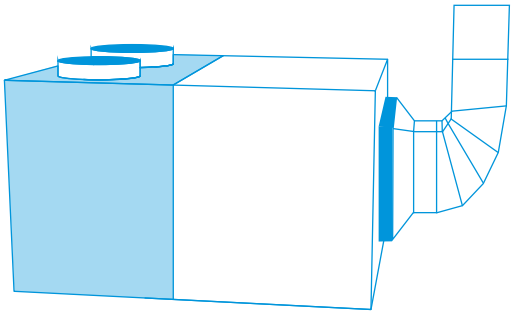
For building managers and engineers, warehouses or industrial applications can pose serious HVAC **challenges because of their size and unique design**. Daikin rooftops provide the solution:

› Indoor/outdoor packaged unit and factory charged refrigerant provide cost-effective installation.
› High ESP up to 800Pa allows extensive ductwork to evenly distribute the air across a large space.
› Scroll compressor and free cooling ensure highly efficient 24/7 operation.
› Clogged filter alarm indicates when filter needs cleaning, ensuring optimum operation and minimized energy consumption.

Wide range

of R-32 rooftop units to cover your needs

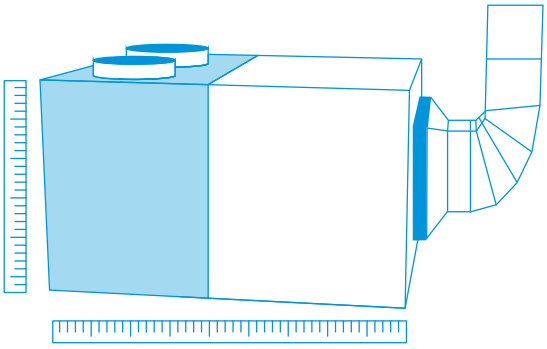
Made-To-Stock units (MTS)



48 predefined units readily available from stock

- Fast delivery
- 3 versions: Base, 2 dampers and 3 dampers
  - Thermodynamic heat recovery available on full FC3 range
- Extended capacity up to 190 kW!
- Comes with a wide range of standard integrated features

Made-To-Order units (MTO)



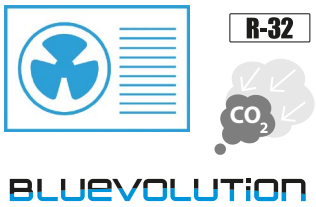
Fully customizable units for maximum flexibility

- Almost infinite configuration possibilities thanks to wide choice of options
- 4 versions: Base, 2 dampers, 3 dampers and 4 dampers
  - Thermodynamic heat recovery available on full FC3 range
  - Premium efficiency plate heat exchanger available on RS4 range
- Extended capacity up to 190 kW!
- Comes with a wide range of standard integrated features
- Easy selection via selection software: rooftop.daikin.eu

Standard integrated features on all Made-To-Stock and Made-To-Order units

1 R-32 refrigerant

› Top sustainability thanks to the use of low GWP (675) refrigerant
› Single component refrigerant, easy to re-use and recycle



2 Inverter driven compressors

› Great year-round seasonal efficiency
› Available up to 120 kW models

3 Increased capacity range up to 190 kW!

› More flexibility to tackle larger projects with a small footprint

4 25 mm double skinned panels

› Ensuring long-lasting life and providing good thermal and sound insulation

5 Full color touch display

› Intuitive to use
› Better visualisation of unit parameters

6 Integrated connectivity

› Direct integration into Daikin intelligent Touch Manager BMS (via BACNET protocol)
› Easy integration in 3rd party BMS systems via Ethernet port (BACnet TCP/IP & Modbus TCP/IP) or 3-cable port (Modbus over RS485)

7 Selection software

› Easy selection of the correction unit and options based on location conditions
› Direct availability of technical drawings

Select and configure your rooftop now!

rooftop.daikin.eu

More standard integrated features

› ISO Coarse 75% filter (G4) (standard for MTS only)
› Standard clogged filter alarm
› Flexible air delivery
› Hydrophilic aluminum fins on indoor and outdoor unit side
› Mesh coil guard on outdoor heat exchanger
› Factory mounted drain pan with heater
› Single operation voltage-free contact
› Power supply connection safety through max/min voltage relay and reversed phase connection

4 versions
to choose from

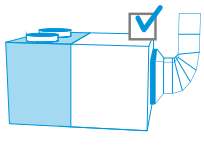
UATYA-BBAY1

High installation flexibility and easy servicing

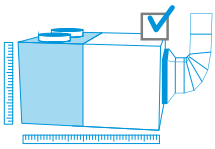
› Easy to install 'plug and play' concept plus single installation configuration; no additional piping is required since indoor and outdoor sides are pre-connected

› High efficiency and reliable scroll compressor

› Factory pre-charged refrigerant ensures clean and efficient operation

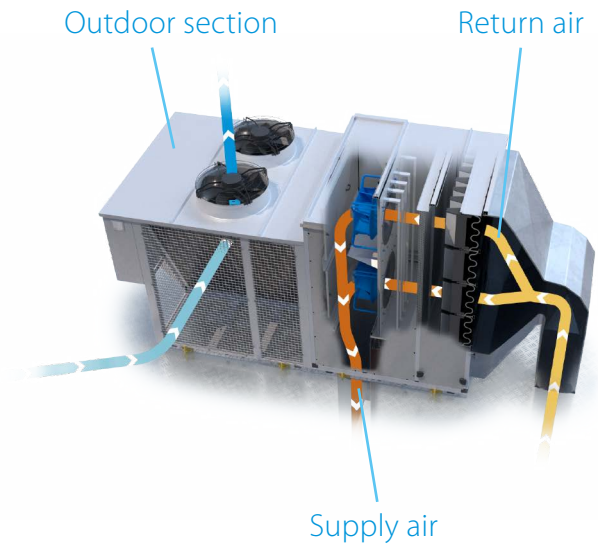


Made-To-Stock units (MTS)



Made-To-Order units (MTO)

HEATING OPERATION EXAMPLE

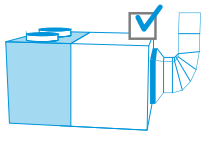


UATYA-BFC2Y1

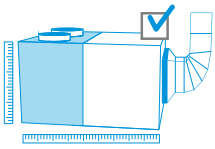
2 damper version, with integrated fresh air

› Free cooling with up to 100% fresh air possible
  › Improved air quality
  › Energy saving using fresh outdoor air to cool the building

› Includes all Base model features

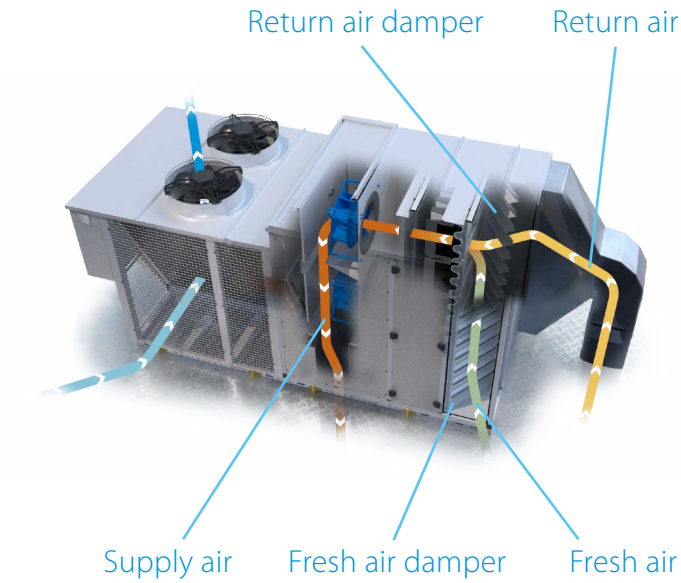


Made-To-Stock units (MTS)



Made-To-Order units (MTO)

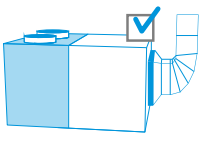
HEATING OPERATION EXAMPLE



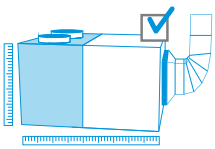
UATYA-BFC3Y1

3 damper version, with integrated fresh air and extraction

- Extraction damper integrated
  - Eliminates excessive overpressure in the building
  - Including high efficient extraction fan for optimum air circulation in larger buildings
- Thermodynamic heat recovery
  - Saves energy by recovering waste heat through the outdoor heat exchanger
  - Available on all models
- Includes all FC2 model features

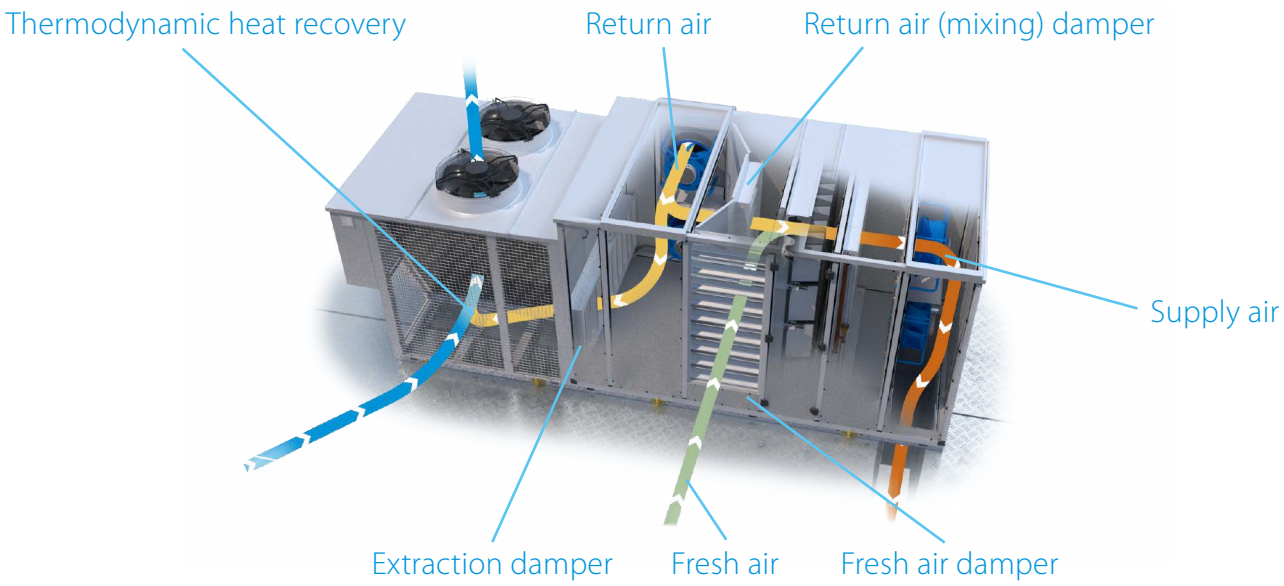


Made-To-Stock units (MTS)



Made-To-Order units (MTO)

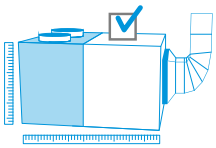
HEATING OPERATION EXAMPLE



UATYA-BRS4*

4 damper version, with integrated fresh air, extraction and plate heat recovery

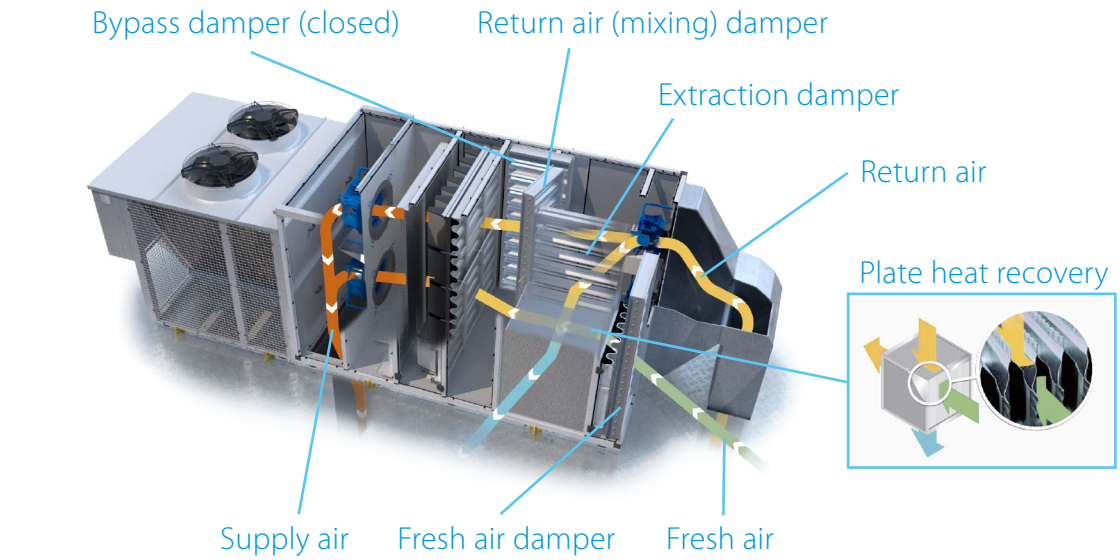
- Premium efficiency counter flow plate heat exchanger
  - Recovers up to 58% waste heat from the return air
  - Available in 50% and 100% return air heat recovery
- Bypass damper to allow plate heat exchange or free cooling
- Additional thermodynamic heat recovery available up to 50kW models
- Includes all FC3 model features
- Only available as Made-To-Order model



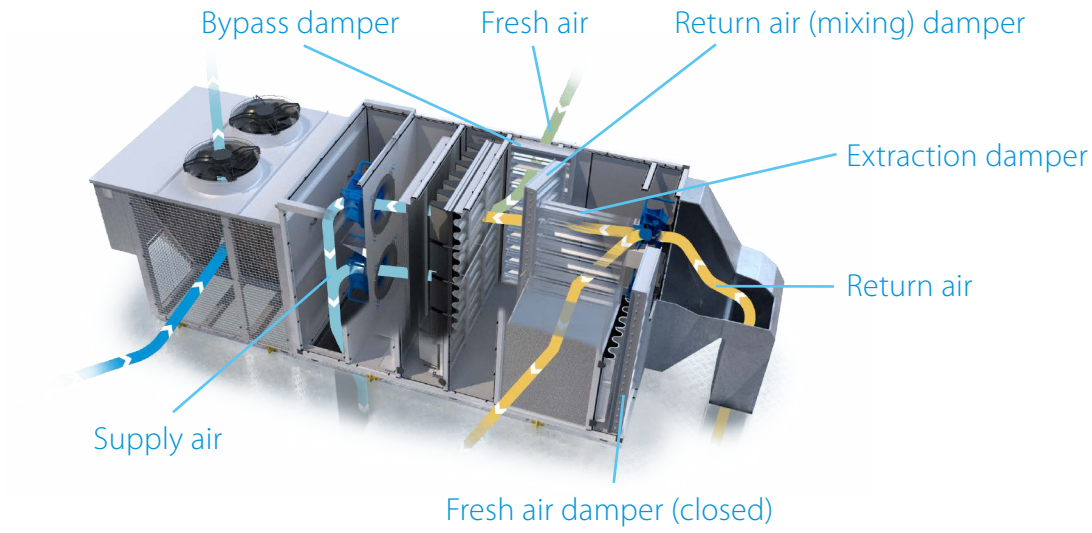
Made-To-Order units (MTO) only

* Indicative model name. Correct model name to be retrieved from selection software.

PLATE HEAT RECOVERY MODE IN HEATING OPERATION



USE OF BYPASS DAMPER IN FREE COOLING MODE



EC plug fan

size options to allow different ESP values

Products overview rooftops

BLUEVOLUTION

Capacity class (kW)

Type	Model	MTS Product name	Refrigerant	Version	25	30	40	50	60	70	80	90	100	110	120	140	150	160	180	190
Air cooled Heat pump	Rooftop unit With extensive base package for high installation flexibility and easy servicing - 'Plug and play' for easy installation - High efficiency - Field convertible return and supply air - Direct integration with Daikin or third party BMS - Factory pre-charged refrigerant	UATYA-BBAY1	R-32	MTS MTO	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Rooftop unit 2 damper version with integrated fresh air - Free cooling with up to 100% fresh air intake - Comes with all Base model features	UATYA-BFC2Y1		MTS MTO	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Rooftop unit 3 damper version with integrated fresh air and extraction - Integrated extraction damper eliminates over-pressure - Thermodynamic heat recovery, recovering waste heat - Comes with all FC2 model features	UATYA-BFC3Y1		MTS MTO	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Rooftop unit 4 damper version with integrated fresh air, extraction and plate heat exchanger - Premium efficiency plate heat exchanger, recovering waste heat - Comes with all FC3 model features	UATYA-BRS4*		MTO	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

* Indicative model name. Correct model name to be retrieved from selection software.

Field applied **accessories** for **Made-To-Stock** units

		BASE series (UATYA-BBAY1)					FC2 series (UATYA-BFC2Y1)						FC3 series (UATYA-BFC3Y1)						
		25-30	40-50	60-70	80-120	140-190	25-30	40 - 50	60-70	80-90	100-120	140-190	25-30	40-50	60-70	80-100	110-120	140-180	190
Air treatment	Filter ISO Coarse 75% (G4)	2x UATYAC75A + 2x UATYAC75B (Standard for MTS)	3x UATYAC75A + 3x UATYAC75B (Standard for MTS)	6x UATYAC75B (Standard for MTS)	12x UATYAC75C (Standard for MTS)	12x UATYAC75C (Standard for MTS)	2x UATYAC75A + 2x UATYAC75B (Standard for MTS)	3x UATYAC75A + 3x UATYAC75B (Standard for MTS)	6x UATYAC75B (Standard for MTS)	12x UATYAC75C (Standard for MTS)	12x UATYAC75C (Standard for MTS)	12x UATYAC75C (Standard for MTS)	2x UATYAC75A + 2x UATYAC75B (Standard for MTS)	3x UATYAC75A + 3x UATYAC75B (Standard for MTS)	6x UATYAC75B (Standard for MTS)	12x UATYAC75C (Standard for MTS)	12x UATYAC75C (Standard for MTS)	12x UATYAC75C (Standard for MTS)	12x UATYAC75C (Standard for MTS)
	Filter ISO ePM10 50% (M5/F5)	2x UATYAEP-M1050A + 2x UATY-AEPM1050B	3x UATYAEP-M1050A + 3x UATY-AEPM1050B	3x UATY-AEPM1050B	12x UATYAEP-M1050C	12x UATYAEP-M1050C	2x UATYAEP-M1050A + 2x UATY-AEPM1050B	3x UATYAEP-M1050A + 3x UATY-AEPM1050B	3x UATY-AEPM1050B	12x UATYAEP-M1050C	12x UATYAEP-M1050C	12x UATYAEP-M1050C	2x UATYAEP-M1050A + 2x UATY-AEPM1050B	3x UATYAEP-M1050A + 3x UATY-AEPM1050B	3x UATY-AEPM1050B	12x UATYAEP-M1050C	12x UATYAEP-M1050C	12x UATYAEP-M1050C	12x UATYAEP-M1050C
	Filter ISO ePM10 70% (M6)	2x UATYAEP-M1070A + 2x UATY-AEPM1070B	3x UATYAEP-M1070A + 3x UATY-AEPM1070B	6x UATY-AEPM1070B	12x UATYAEP-M1070C	12x UATYAEP-M1070C	2x UATYAEP-M1070A + 2x UATY-AEPM1070B	3x UATYAEP-M1070A + 3x UATY-AEPM1070B	6x UATY-AEPM1070B	12x UATYAEP-M1070C	12x UATYAEP-M1070C	12x UATYAEP-M1070C	2x UATYAEP-M1070A + 2x UATY-AEPM1070B	3x UATYAEP-M1070A + 3x UATY-AEPM1070B	6x UATY-AEPM1070B	12x UATYAEP-M1070C	12x UATYAEP-M1070C	12x UATYAEP-M1070C	12x UATYAEP-M1070C
	Rigid bag filter ISO ePM1 50% (F7)	2x UATYAEP-M150A + 2x UATY-AEPM150B	3x UATYAEP-M150A + 3x UATY-AEPM150B	6x UATY-AEPM150B	12x UATYAEP-M150C	12x UATYAEP-M150C	2x UATYAEP-M150A + 2x UATY-AEPM150B	3x UATYAEP-M150A + 3x UATY-AEPM150B	6x UATY-AEPM150B	12x UATYAEP-M150C	12x UATYAEP-M150C	12x UATYAEP-M150C	2x UATYAEP-M150A + 2x UATY-AEPM150B	3x UATYAEP-M150A + 3x UATY-AEPM150B	6x UATY-AEPM150B	12x UATYAEP-M150C	12x UATYAEP-M150C	12x UATYAEP-M150C	12x UATYAEP-M150C
	Rigid bag filter ISO ePM1 85% (F9)	2x UATYAEP-M185A + 2x UATY-AEPM185B	3x UATYAEP-M185A + 3x UATY-AEPM185B	6x UATY-AEPM185B	12x UATYAEP-M185C	12x UATYAEP-M185C	2x UATYAEP-M185A + 2x UATY-AEPM185B	3x UATYAEP-M185A + 3x UATY-AEPM185B	6x UATY-AEPM185B	12x UATYAEP-M185C	12x UATYAEP-M185C	12x UATYAEP-M185C	2x UATYAEP-M185A + 2x UATY-AEPM185B	3x UATYAEP-M185A + 3x UATY-AEPM185B	6x UATY-AEPM185B	12x UATYAEP-M185C	12x UATYAEP-M185C	12x UATYAEP-M185C	12x UATYAEP-M185C
Control	**UATYACO2P** - Duct air quality CO_2 probe	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	UATYACAP - Constant air pressure control airflow transducer	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	UATYAWRC - Remote touch screen wired remote controller	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	UATYARRP - Room temperature return probe (incl. housing)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	UATYASA - Fire and smoke alarm	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Other	Rainproof hood with anti-intrusion grille	not possible	not possible	not possible	not possible	not possible	UATYARPH3	UATYARPH4	UATYARPH5	UATYARPH6	UATYARPH6	UATYARPH6	UATYARPH1	UATYARPH2	UATYARPH8	UATYARPH7	UATYARPH7	UATYARPH7	UATYARPH7
	Rubber antivibration mounts	2x UATYAAVM1	2x UATYAAVM1	2x UATYAAVM1 + 1x UATYAAVM2	4x UATYAAVM1	2x UATYAAVM1 + 2x UATYAAVM2	2x UATYAAVM1	2x UATYAAVM1	3x UATYAAVM1 + 1x UATYAAVM2	4x UATYAAVM1	3x UATYAAVM1 + 1x UATYAAVM2	2x UATYAAVM1 + 2x UATYAAVM2	1x UATYAAVM1 + 1x UATYAAVM2	1x UATYAAVM1 + 2x UATYAAVM2	3x UATYAAVM1 + 1x UATYAAVM2	2x UATYAAVM1 + 2x UATYAAVM2	2x UATYAAVM1 + 2x UATYAAVM2	4x UATYAAVM1 + 1x UATYAAVM2	3x UATYAAVM1 + 2x UATYAAVM2
	Rubber antivibration mounts when gas heater is used	1x UATYAAVM1 + 1x UATYAAVM2	1x UATYAAVM1 + 1x UATYAAVM2	1x UATYAAVM1 + 2x UATYAAVM2	5x UATYAAVM1	5x UATYAAVM1	2x UATYAAVM1	1x UATYAAVM1 + 1x UATYAAVM2	4x UATYAAVM1	5x UATYAAVM1	5x UATYAAVM1	5x UATYAAVM1	1x UATYAAVM1 + 1x UATYAAVM2	2x UATYAAVM1 + 1x UATYAAVM2	4x UATYAAVM1	5x UATYAAVM1	4x UATYAAVM1 + 1x UATYAAVM2	3x UATYAAVM1 + 2x UATYAAVM2	3x UATYAAVM1 + 2x UATYAAVM2

Wide choice of factory-mounted **options** on **Made-To-Order** units

Indoor air treatment

› Filters and rigid bag filters
  › Multistage filtration possible
  › From ISO Coarse 75% (G4) up to ISO ePM1 85% (F9)

› Auxiliary heat sources for additional or complementary heating
  › Gas burner
  › Electric coil
  › Hot water coil

› Pre-heater from heat recovery water coil, to recover waste heat from applications where heat is rejected

› Steam humidifier and post-heating

› Oversized and extraoversized supply and return radial EC plug fans to provide a higher ESP

› Spring return dampers in case of power failure and/or fire alarm

Outdoor air treatment

› Anticorrosion treatment on heat exchanger

› Standard or EC axial fan

› Softstarter on compressor for units ≥ 140kW

› Soundproof compartment on compressor

Control options

› BMS gateway via Ethernet:
  › SNMP & Modbus TCP/IP (standard BACnet TCP/IP connection can not be used anymore)

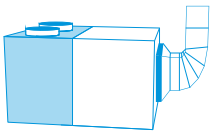
› BMS gateway via 3-cable port:
  › BACnet MS/TP OR Lonworks (standard Modbus RS485 connection can not be used anymore)

Field applied **accessories** for **Made-To-Order** units

		MTO - BASE series	MTO - FC2 series	MTO - FC3 series	MTO - RS4 series
Control	**UATYACO2P** - Duct air quality CO2 probe	•	•	•	•
	UATYACAP - Constant air pressure control airflow transducer	•	•	•	•
	UATYAWRC - Remote touch screen wired remote controller	•	•	•	•
	UATYARRP - Room temperature return probe (incl. housing)	•	•	•	•
	UATYASA - Fire and smoke detector	•	•	•	•
Other	Rubber antivibration mounts	• (1)	• (1)	• (1)	• (1)
	Rainproof hood with anti-intrusion grille	• (1)	• (1)	• (1)	• (1)

(1) Reference code to be selected in selection software

Specifications Made-To-Stock units



UATYA20-30BBAY1

UATYA-BBAY1

					UATYA-BBAY1	25	30	40	50	60	70	80	90	100	110	120	140	150	160	180	190
Cooling capacity	Nom.			kW		25.8	33.4	38.7	45.7	58.8	65.3	74.8	89.8	95.8	108.9	115	133.4	144.7	154.6	171.9	187
Heating capacity	Nom.			kW		25.3	31.1	36.3	46.2	55.1	64.9	68.5	84.2	92.8	101.5	108	123.1	136.4	147.1	157.1	176.9
EER						2.83	3.09	3.06	2.96	3.12	2.92	3.09	3.06	2.97	2.99	2.91	3.14	3.02	3.05	3.07	2.97
COP						3.22	3.31	3.26	3.24	3.25	3.21	3.37	3.22	3.2	3.35	3.25	3.44	3.33	3.26	3.33	3.27
Space cooling	Capacity	Pdesign		kW		25.8	33.4	38.7	45.7	58.8	65.3	74.8	89.8	95.8	108.9	115	133.4	144.7	154.6	171.9	187
	SEER					4.62	4.89	5.48	5.34	5.5	4.53	5.56	5.47	5.17	5.29	5.15	4.38	4.26	4.27	4.15	4.08
	ηs,c			%		181.6	192.56	216.12	210.48	217.08	178.08	219.36	215.8	203.72	208.64	203.04	172.08	167.2	167.6	162.84	160.24
Space heating (Average climate)	Capacity	Pdesign		kW		25.3	31.1	36.3	46.2	55.1	64.9	68.5	84.2	92.8	101.5	108	123.1	136.4	147.1	157.1	176.9
	SCOP/A					3.35	3.38	3.67	3.65	3.47	3.41	3.7	3.65	3.62	3.56	3.53	3.39	3.36	3.34	3.31	3.34
	ηs,h			%		131	132.16	143.84	142.96	135.6	133.52	145.16	142.96	141.64	139.28	138.28	132.52	131.44	130.76	129.52	130.56
Evaporator	Supply side	Air discharge direction				Frontal, Left				Bottom, Right, Left											
		Fan	Air flow rate	m^3/h		4,500	5,800	7,500	9,000	11,000	13,000	14,500	16,500	18,000	19,800	21,600	25,000	26,500	28,000	30,500	31,500
			Nominal ESP	Pa		300															
	Return side	Air intake direction				Rear															
		Thermodynamic heat recovery				No															
	Fresh air	Standard				No															
Condenser	Air flow rate	Cooling		m^3/h		15,725	16,038	16,374	16,341	31,183	32,203	35,774	37,285	36,195	38,143	36,865	70,704	72,395	67,733	70,200	72,005
	Refrigerant	Type				R-32															
		GWP				675															
		Charge		tCO2Eq		4.725	6.750	8.100	10.125	12.150		15.525	16.200	18.900	20.250	24.300	25.650		31.050	33.750	
				kg		7	10	12	15	18		23	24	28	30	36	38		46	50	
Dimensions	Unit	Height		mm		1,924		2,374		1,924			2,374								
		Width		mm		2,250															
		Depth		mm		2,427				4,317							5,117				
Weight	Unit			kg		1,023	1,077	1,174	1,193	1,739	1,841	2,028	2,086	2,154	2,242	2,252	2,690	2,696	2,738	2,792	2,872
Casing	Colour					RAL 7035															
Sound pressure level	Cooling			dBA		TBC	66	68	67.3	69	68.1	72.6	68.7	69.9	70.6	74.2	68.3	68.3	68.7	69.1	70
Sound power level	Cooling			dBA		TBC	84.3	86.8	86.1	88.5	87.5	92.5	88.6	89.8	90.5	94.1	88.6	88.6	89	89.3	90.2
Operation range	Cooling	Min.		°CDB		-10															
		Max.		°CDB		48															
	Heating	Min.		°CWB		-15															
		Max.		°CDB		26															
Power supply	Phase					3~															
	Frequency			Hz		50															
	Voltage			V		400															
	Recommended fuses			A		25	40		50		63	80	100				160			200	

UATYA60-70BFC2Y1

UATYA-BFC2Y1

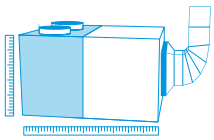
					UATYA-BFC2Y1	25	30	40	50	60	70	80	90	100	110	120	140	150	160	180	190
Cooling capacity	Nom.			kW		25.8	33.4	38.7	45.7	58.8	65.3	74.8	89.8	95.8	108.9	115	133.4	144.7	154.6	171.9	187
	With 30% fresh air			kW		27.7	35.9	41.5	48.9	63.0	69.9	80.7	96.6	102.7	117.0	122.7	143.1	154.9	165.7	184.2	200.5
Heating capacity	Nom.			kW		25.3	31.1	36.3	46.2	55.1	64.9	68.5	84.2	92.8	101.5	108	123.1	136.4	147.1	157.1	176.9
	With 30% fresh air			kW		25.6	31.3	36.5	46.3	55.1	65.1	69.2	84.7	94.8	102.1	108.7	124.2	137.5	148.4	158.7	180.2
EER	With 30% fresh air					2.97	3.26	3.21	3.1	3.28	3.06	3.26	3.24	3.13	3.13	3.03	3.29	3.16	3.19	3.21	3.1
COP	With 30% fresh air					3.41	3.56	3.48	3.51	3.47	3.44	3.62	3.47	3.46	3.6	3.48	3.69	3.57	3.5	3.58	3.55
Space cooling	Capacity	Pdesign		kW		25.8	33.4	38.7	45.7	58.8	65.3	74.8	89.8	95.8	108.9	115	133.4	144.7	154.6	171.9	187
	SEER					4.62	4.89	5.48	5.34	5.5	4.53	5.56	5.47	5.17	5.29	5.15	4.38	4.26	4.27	4.15	4.08
	ηs,c			%		181.6	192.56	216.12	210.48	217.08	178.08	219.36	215.8	203.72	208.64	203.04	172.08	167.2	167.6	162.84	160.24
Space heating (Average climate)	Capacity	Pdesign		kW		25.3	31.1	36.3	46.2	55.1	64.9	68.5	84.2	92.8	101.5	108	123.1	136.4	147.1	157.1	176.9
	SCOP/A					3.35	3.38	3.67	3.65	3.47	3.41	3.7	3.65	3.62	3.56	3.53	3.39	3.36	3.34	3.31	3.34
	ηs,h			%		131	132.16	143.84	142.96	135.6	133.52	145.16	142.96	141.64	139.28	138.28	132.52	131.44	130.76	129.52	130.56
Evaporator	Supply side	Air discharge direction				Frontal, Left				Bottom, Right, Left											
		Fan	Air flow rate	m^3/h		4,500	5,800	7,500	9,000	11,000	13,000	14,500	16,500	18,000	19,800	21,600	25,000	26,500	28,000	30,500	31,500
			Nominal ESP	Pa		300															
	Return side	Air intake direction				Rear, Left, Right															
		Thermodynamic heat recovery				No															
	Fresh air	Standard				Yes															
		Ratio	Standard	%		30															
			In free cooling	%		100															
Condenser	Air flow rate	Cooling		m^3/h		15,725	16,038	16,374	16,341	31,183	32,203	35,774	37,285	36,195	38,143	36,865	70,704	72,395	67,733	70,200	72,005
	Refrigerant	Type				R-32															
		GWP				675															
		Charge		tCO2Eq		4.725	6.750	8.100	10.125	12.150	12.150	15.525	16.200	18.900	20.250	24.300	25.650	25.650	31.050	33.750	33.750
				kg		7	10	12	15	18	18	23	24	28	30	36	38	38	46	50	50
Dimensions	Unit	Height		mm		1,924		2,374		1,924			2,374								
		Width		mm		2,250															
		Depth		mm		2,943				4,879							5,679				
Weight	Unit			kg		1,150	1,182	1,290	1,349	1,891	1,990	2,218	2,272	2,342	2,430	2,440	2,894	2,904	2,942	2,982	3,060
Casing	Colour					RAL 7035															
Sound pressure level	Cooling			dBA		TBC	66	68	67.3	69	68.1	72.6	68.7	69.9	70.6	74.2	68.3	68.3	68.7	69.1	70
Sound power level	Cooling			dBA		TBC	84.3	86.8	86.1	88.5	87.5	92.5	88.6	89.8	90.5	94.1	88.6	88.6	89	89.3	90.2
Operation range	Cooling	Min.		°CDB		-10															
		Max.		°CDB		48															
	Heating	Min.		°CWB		-15															
		Max.		°CDB		26															
Power supply	Phase					3~															
	Frequency			Hz		50															
	Voltage			V		400															
	Recommended fuses			A		25	40	40	50	50	63	80	100	100	100	100	160	160	160	200	200

UATYA80-120BFC3Y1

UATYA-BFC3Y1

					UATYA-BFC3Y1	25	30	40	50	60	70	80	90	100	110	120	140	150	160	180	190
Cooling capacity	Nom.			kW		25.8	33.4	38.7	45.7	58.8	65.3	74.8	89.8	95.8	108.9	115	133.4	144.7	154.6	171.9	187
	With 30% fresh air			kW		27.8	36.1	42.5	49.6	63.7	70.5	81.3	96.8	104.3	118	124.5	145.6	156.8	168.3	186.5	204.4
Heating capacity	Nom.			kW		25.3	31.1	36.3	46.2	55.1	64.9	68.5	84.2	92.8	101.5	108	123.1	136.4	147.1	157.1	176.9
	With 30% fresh air			kW		26	32.4	38.3	47.7	57.1	68.6	71.6	87.2	97.9	107	112.3	132	147.5	160	173.5	191.6
EER	With 30% fresh air					2.96	3.2	3.27	3.12	3.23	3	3.21	3.22	3.14	3.11	3.01	3.26	3.14	3.18	3.21	3.14
COP	With 30% fresh air					3.38	3.48	3.51	3.46	3.4	3.39	3.56	3.45	3.42	3.57	3.4	3.62	3.57	3.49	3.63	3.5
Space cooling	Capacity	Pdesign		kW		25.8	33.4	38.7	45.7	58.8	65.3	74.8	89.8	95.8	108.9	115	133.4	144.7	154.6	171.9	187
	SEER					4.62	4.89	5.48	5.34	5.5	4.53	5.56	5.47	5.17	5.29	5.15	4.38	4.26	4.27	4.15	4.08
	ηs,c			%		181.6	192.56	216.12	210.48	217.08	178.08	219.36	215.8	203.72	208.64	203.04	172.08	167.2	167.6	162.84	160.24
Space heating (Average climate)	Capacity	Pdesign		kW		25.3	31.1	36.3	46.2	55.1	64.9	68.5	84.2	92.8	101.5	108	123.1	136.4	147.1	157.1	176.9
	SCOP/A					3.35	3.38	3.67	3.65	3.47	3.41	3.7	3.65	3.62	3.56	3.53	3.39	3.36	3.34	3.31	3.34
	ηs,h			%		131	132.16	143.84	142.96	135.6	133.52	145.16	142.96	141.64	139.28	138.28	132.52	131.44	130.76	129.52	130.56
Evaporator	Supply side	Air discharge direction				Frontal, Left				Bottom, Right, Left, Frontal											
		Fan	Air flow rate	m^3/h		4,500	5,800	7,500	9,000	11,000	13,000	14,500	16,500	18,000	19,800	21,600	25,000	26,500	28,000	30,500	31,500
			Nominal ESP	Pa		300															
	Return side	Fan	Air flow rate	m^3/h		4,500	5,800	7,500	9,000	11,000	13,000	14,500	16,500	18,000	19,800	21,600	25,000	26,500	28,000	30,500	31,500
			Nominal ESP	Pa		300															
		Air intake direction				Rear				Right											
		Thermodynamic heat recovery				Yes															
	Fresh air	Standard				Yes															
		Ratio	Standard	%		30															
			In free cooling	%		100															
Condenser	Air flow rate	Cooling		m^3/h		15,725	16,038	16,374	16,341	31,183	32,203	35,774	37,285	36,195	38,143	36,865	70,704	72,395	67,733	70,200	72,005
	Refrigerant	Type				R-32															
		GWP				675															
		Charge		tCO2Eq		4.725	6.750	8.100	10.125	12.150	12.150	15.525	16.200	18.900	20.250	24.300	25.650		31.050	33.750	
				kg		7	10	12	15	18	18	23	24	28	30	36	38		46	50	
Dimensions	Unit	Height		mm		1,924		2,374		1,924			2,374								
		Width		mm		2,250															
		Depth		mm		3,514				6,317									7,117		
Weight	Unit			kg		1,334	1,367	1,516	1,536	2,184	2,284	2,568	2,610	2,684	2,780	2,790	3,260	3,270	3,311	3,426	3,504
Casing	Colour					RAL 7035															
Sound pressure level	Cooling			dBA		TBC	66	68	67.3	69	68.1	72.6	68.7	69.9	70.6	74.2	68.3	68.3	68.7	69.1	70
Sound power level	Cooling			dBA		TBC	84.3	86.8	86.1	88.5	87.5	92.5	88.6	89.8	90.5	94.1	88.6	88.6	89	89.3	90.2
Operation range	Cooling	Min.		°CDB		-10															
		Max.		°CDB		48															
	Heating	Min.		°CWB		-15															
		Max.		°CDB		26															
Power supply	Phase					3~															
	Frequency			Hz		50															
	Voltage			V		400															
	Recommended fuses			A		25	40		50		63	80	100				160			200	

Specifications Made-To-Order units



All naming in the tables above is valid for Made-To-Stock units only.

For specifications and configuration of Made-To-Order units refer to our selection software.

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ECPEN21-117A 10/2020